

## Week 02

### Parsing Input

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#### Lab 03 - Histogram

Write a program that reads input from the terminal until 'q' is entered. Once q is entered, have the program draw a histogram to display the lengths of each word in its input (assume the longest word entered will be no more than 10 characters long).

**Example Input:**

Hi my name is Timmy  
and I eat cheese q

**Expected Output:**

1: =  
2: ===  
3: ==  
4: =  
5: =  
6: =  
7:  
8:  
9:  
10:

**Example Input:**

We have different colors of paint  
blue red orange green  
teal black pink white and lightgreen q

**Expected Output:**

1:  
2: ==  
3: ==  
4: ====  
5: ====  
6: ==  
7:  
8:  
9: =  
10: =